

Abstract

Strobe Flash Photographic Illumination

5 The present invention relates to a camera (102) with  
strobe flash illumination (116) for capturing an image of  
an object (6), and to a document scanning system (101) and  
method of using such a camera (102) to capture an image of  
a document (6). The camera (102) comprises an image  
10 capture means, an objective lens (114) with a field of  
view (118) to image optical radiation (119) from an object  
plane (8) onto the image capture means (52), a strobe  
flash (116) for illuminating the object plane (8),  
electronic pulse circuitry to pulse the strobe flash (116)  
15 at a rate which is sufficiently quick that the  
illumination appears to a user of the camera (102) to be  
substantially steady owing to persistence of vision, and a  
shutter means (104) to synchronise the capture of one or  
more images by the image capture means, each image being  
20 captured with at least one pulse from the strobe flash.  
The shutter means (104) is adapted to capture images at a  
rate substantially below the rate at which the strobe  
flash (116) is pulsed.

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Figure 2